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1 The following report gives a tabular summary and analysis of the fulfillment of the Economic Plan for the first six months of 1955 in regard to gas and electric power production, both for East Germany as a whole, and for the power sector of the Ministry of Heavy Industry:

a. Gross Production	UNIT	Planned	Actual	Percent
(1) East Germany (DDR)				
Gross production		595,345,000	597,300,000	100.7
Gas	cu.m.	1,179,600,000	1,198,400,000	101.5
Electric power	kwh	14,011,900,000	13,950,300,000	99.6
(2) Main Administration for Gas (HV Gas)				
Gross production	DME	121,887,000	117,414,000	
Gas	cu.m.	615,700,000	602,500,000	97.9
Coke	tons	968,500	913,000	94.3
Benzol	tons	7,084	5,784	81.6
Consumer goods	DME	643,000	290,000	45.1
(3) Main Administration for Electric Power (HV Elektroenergie)				
Gross production	DME	175,326,000	178,664,000	101.9
Electric power	kwh	4,827,000,000	4,885,500,000	100.0
Consumer goods	DME	870,000	913,000	104.9

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b. Power Program (KOH)(1) Test Operation (Probetrieb)

	Unit	Planned	Actual	Percent
Number of installations	units	21	27	87.1
Increase of capacity	mw	305	302	99.8

(2) Continuous Operation (Dauerbetrieb)

	Unit	Planned	Actual	Percent
Number of installations	units	22	17	77.3
Input to power grid	mw	197.5	180.3	91.3

(3) Test Operations Carry-over from 1954 (taken into regular operations)

	Unit	Planned	Actual	Percent
Number of installations	units	23	16	69.6
Input to power grid	mw	209.1	182.4	87.2

c. Investments(1) Power Sector

	Unit	Planned 1955 Total	Actual 6 mo. Total	Percent
Investment total	DME	466,260,000	185,159,000	39.7
(Construction and installation cost)	DME	119,598,000	43,642,000	36.5
Main installations	DME	460,352,000	183,351,000	39.8
(Construction and installation cost)	DME	114,791,000	42,250,000	36.8
Auxiliary equipment	DME	5,908,000	1,768,000	29.9

(2) HV Elektroenergie

	Unit	Planned	Actual	Percent
Investment total	DME	411,840,000	165,750,000	40.2
(Construction and installation cost)	DME	103,619,000	37,836,000	36.4
Main installations	DME	407,486,000	164,083,000	40.3
(Construction and installation cost)	DME	100,253,000	38,527,000	38.4
Auxiliary equipment	DME	4,354,000	1,667,000	38.3

(3) Main Projects of HV Elektroenergie

	Unit	Planned	Actual	Percent
Trattendorf III	DME	61,000,000	37,219,000	61.0
Trattendorf I	DME	55,400,000	10,721,000	19.4
Elbe (First Extension)	DME	28,930,000	24,531,000	84.8
Elbe (Second Extension)	DME	29,040,000	10,438,000	35.9
Elbe	DME	4,350,000	4,501,000	84.1
Forest	DME	381,000	3,075,000	62.5

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b. Continuous Operation (Dauerbetrieb)

The plan for continuous operation was not quite so well fulfilled as the plan for test operations, but even here good progress was made in comparison with the previous year:

	<u>First six months 1954</u>	<u>First six months 1955</u>	<u>Increase (Percentage)</u>
Number of installations	9	17	189
Production	24.85 mw	180.3 mw	72

Difficulties still exist in supply of full capacity into the network. In June, an average of only 75 megawatts from installations in continuous operation were supplied to the power grid.

c. Test Operation Carryover from 1954

On 31 December 1954, test operation installations had a capacity of 209.1 megawatts. By 30 June 1955, 182.4 megawatts of this had been taken over into regular operations (77.4 mw in the second quarter). Several installations including Schott-Jena and Bad Elster were already included in test operation by November 1954.

The turbines of the Turbine Factory in Dresden were excepted from the installations placed in test operation. The 3.2 megawatt turbines of Zellstoffwerk Coswig, Weissenborn Paper Factory, Zellstoffwerk Merseburg, and Schott-Jena, which have been undergoing regulation since October-November 1954, are not to be placed in regular operation until November 1955.

5. Investments

The fulfillment of the construction and installation items lags behind the fulfillment of the equipment item, owing to lack of construction workers. In the Trattendorf construction site alone, in June, there was a shortage of about 450 construction workers. Measures have already been initiated by the Ministries of Heavy Industry and Construction for the elimination of the shortage of construction workers.

Fulfillment of plan-section "auxiliary equipment" (Nebenanlagen) in HV Gas amounted to only 6.5 percent on 30 June 1955. This is because the three most highly capitalized projects could be activated only in March, May, and June. The deficit will be made up however before the end of the year.

In regard to main installations, HV Gas has concluded 83 percent of its planned contracts, and HV Elektroenergie 87 percent. The main installations of HV Gas are operating at 100 percent of capacity; those of HV Elektroenergie at 94 percent of capacity.

HV Elektroenergie has about 26,300,000 DMZ still uninvested as a result of lack of projects. In August the question will be taken up with the Ministry of Heavy Industry as to what extent during the present year will be realized. The balance will be returned to the reserve of the State Planning Commission.

6. General Repairs

In the first six months of 1955, the General Repairs Plan was not fulfilled in the 78 largest power plants of East Germany, which are supervised by the Department of Main Mechanics of HV Elektroenergie. The following table shows the situation with regard to general repairs on turbines:

Planned general repairs	82 turbines	1,126.6 mw capacity
Completed repairs	48 turbines	845.9 mw capacity

	Planned	Actual	1954	1955
Kirschfelds	ENE	7,933,000	5,905,000	74.4
Flamen	ENE	5,832,000	3,172,000	54.4
Zachornovits	ENE	14,300,000	3,795,000	26.5
(4) Expansion of Capacity (HV Elektroenergie)	mw	161.5	128.7	79.7

2. Gas Production

While electric power output, in the above chart, shows about 53,000,000 kwh under Plan for the first half of 1955, the quota for gas production was exceeded in both first and second quarters, totalling 19,000,000 cubic meters of gas produced above Plan. The overfulfillment of the gas quota was made at the expense of coke production, as shown by only 94.3 percent fulfillment of coke quota of HV Gas.

Imports of bituminous coal for the first quarter, so that the second quarter to 28 days' supply at the end of the second quarter. Quality however remained lower than planned standards. For this reason, production of metallurgical coke could not be increased in the second quarter.

It is reported that, in the third quarter, coking coal is to be brought in from Czechoslovakia and West Germany; from then on, the gas works can change over to coke production.

3. Electric Power Production

The necessary cutbacks in power supply for industry in peak load periods resulted in underproduction of about 26,000,000 kwh. This underproduction was distributed as follows:

April	8,600,000 kwh
May	5,400,000 kwh
June	12,000,000 kwh

The larger figure for June was caused by (Havarien).

4. 1955 Power Program

a. Increased Capacity (Test operation)

Progress in the fulfillment of the power program is shown in the following table:

	First six months 1954		First six months 1955	
	Total of increased capacity	1954 remaining	Total of increased capacity	1955 remaining
Planned	367.7 mw	348.00 mw	303.0 mw	116.7 mw
Achieved	176.95 mw	163.95 mw	302.5 mw	149.0 mw
Percentage of fulfillment	48.0	47.0	99.8	127.7

Increased capacity in the first six months of 1955 was 71.3 percent above capacity increase for the first six months of 1954.

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Through May 1955, the backlog of pending general repairs was assessed at 184 megawatts. By special measures introduced by the Ministry of Heavy Industry, this deficit was reduced in June to 200 megawatts.

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7. Damage (Bavarian)

In the second quarter of 1955, the 78 largest power plants supervised by HV Elektroenergie reported damage in 17 turbines (capacity 148.2 megawatts). In June alone the figure was 8 turbines (capacity 75.5 megawatts). This is the highest since April 1954.

In the second quarter, 14 turbines (capacity 129.6 megawatts) were put back into service.

Damage rose between 1 April 1955 and 30 June 1955 from 183.3 megawatts to 201.9 megawatts. This rise in damage, coupled with the inadequate performance exhibited in the new capacities in continuous operation, accounted for the failure to cover needed production of power in the periods of peak load.

8. Manpower Plan

Despite the underfulfillment of the Gross Production Plan in HV Gas, the tentative figures for 30 June 1955 show that the relationship between productivity of industrial personnel (98.1 percent) and the development of the average wage (97.5 percent) is correct. Actually the wage fund for industrial personnel was utilized only to the extent of 95.8 percent.

Results for HV Elektroenergie are similar to these.

9. Finance Plan

- a. Cost reduction (Selbstkostensenkung) quotas were overfulfilled (as of 31 May 1955) to the following extent:

	<u>Cost reduction planned</u>	<u>Cost reduction attained</u>
HV Gas	plus 0.7	1.21
HV Elektroenergie	plus 2.1	2.75

b. HV Gas

Lower costs were obtained in HV Gas by changing production from coke to gas and by refraining from exhausting the wage fund. HV Gas showed the following fulfillment for the year, in estimated values, as of 30 June 1955:

(1) Production at planned sales prices	48.2 percent
(2) Operating results: profit	53.3 percent
(3) Operating results: loss	40.2 percent

c. HV Elektroenergie

HV Elektroenergie attained cost reduction above Plan by refraining from exhausting the wage fund, and by placing limitations on the takeover of electricity from industrial installations. The following fulfillment percentages for HV Elektroenergie are taken from the Finance Report as of 31 May 1955, and refer to planned production for the entire year 1955:

(1) Production at planned sales prices	40.3 percent
(2) Operating results: profit	43.6 percent
(3) Operating results: loss	21.4 percent

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